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Question Paper Code : X 67531

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2020
Seventh/Eighth Semester
Computer Science and Engineering
CS 1021 – SOFTWARE PROJECT MANAGEMENT
(Common to Information Technology)
(Regulations 2008)

Time : Three Hours   Maximum : 100 Marks

Answer ALL questions

PART – A   (10×2=20 Marks)

1. What is known as meta process and macroprocess ?

2. Write about five basic parameters of software cost models.

3. What is Software requirement gathering ?

4. Brief about the importance of Workflow of the process in two sentences.

5. What is pragmatic planning ?

6. Define Change management.

7. What are the categories of software defect ?

8. What are the objectives of data gathering ?

9. What are the major objectives of COCOMO - II project ?

10. Distinguish between adaptability and maintainability of a system.

PART – B   (5×16=80 Marks)

11. a) Explain conventional vs modern software project management in detail.

(OR)

b) Write down the steps needed to improve software economics and discuss them in detail

12. a) Discuss the various phases of a Lifecycle process. **(16)**

(OR)

b) State the importance of setting milestones in lifecycle process. Discuss the major milestones used to achieve concurrence in a project development. **(16)**

13. a) i) Explain the composition of a software change order. **(8)**

ii) What is a software configuration baseline ? When should it be created ? Give an illustration to support your answer. **(8)**

(OR)

b) i) Tabulate the seven core metrics of modern process with their respective purpose and perspectives. **(8)**

ii) Bring out the major differences in artifacts of small and large projects. **(8)**

14. a) Illustrate design errors and coding errors with an example. **(16)**

(OR)

b) i) Write short note on defect prevention. **(4)**

ii) Explain the steps in software defect prevention. **(12)**

15. a) i) What is the most fundamental cosi estimation model ? Discuss with its metric parameters.

ii) How to monitor cost benefit analysis in efficient manner ? Explain in detail.

(OR)

b) How to calculate Effort ? In what way COCOMO II differ from COCOMO I ?

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